

Title (en)

NOVEL ZEOLITE, PROCESS FOR MAKING SAME, AND USE THEREOF IN CONVERTING AROMATIC HYDROCARBONS

Title (de)

NEUARTIGES ZEOLITH, VERFAHREN ZUR HERSTELLUNG DAVON UND VERWENDUNG DAVON IN DER UMWANDLUNG VON AROMATISCHEN KOHLENWASSERSTOFFEN

Title (fr)

NOUVELLE ZÉOLITE, SON PROCÉDÉ DE FABRICATION ET SON UTILISATION DANS LA CONVERSION D'HYDROCARBURES AROMATIQUES

Publication

EP 3947325 A1 20220209 (EN)

Application

EP 20716683 A 20200325

Priority

- US 201962826317 P 20190329
- EP 19185757 A 20190711
- US 2020024643 W 20200325

Abstract (en)

[origin: WO2020205357A1] Novel MEL framework type zeolites can be made to have small crystallite sizes and desirable silica/SiO₂ molar ratios. Catalyst compositions comprising such MEL framework type zeolites can be particularly advantageous in isomerization C₈ aromatic mixtures. An isomerization process for converting C₈ aromatic hydrocarbons can advantageously utilize a catalyst composition comprising a MEL framework type zeolite.

IPC 8 full level

C07C 5/22 (2006.01); **C07C 15/08** (2006.01)

CPC (source: EP KR US)

B01J 29/40 (2013.01 - EP KR); **B01J 29/70** (2013.01 - US); **B01J 29/7038** (2013.01 - EP KR); **B01J 29/80** (2013.01 - EP KR); **B01J 35/23** (2024.01 - EP KR); **B01J 35/30** (2024.01 - EP KR); **B01J 35/40** (2024.01 - EP KR); **B01J 35/615** (2024.01 - US); **B01J 35/643** (2024.01 - EP KR); **B01J 35/647** (2024.01 - EP KR); **C01B 39/48** (2013.01 - US); **C07C 5/2708** (2013.01 - EP KR); **C07C 5/2737** (2013.01 - US); **C07C 15/08** (2013.01 - KR); **B01J 2229/22** (2013.01 - EP KR); **B01J 2229/36** (2013.01 - EP KR); **B01J 2229/42** (2013.01 - EP KR); **C01P 2002/60** (2013.01 - US); **C01P 2006/12** (2013.01 - US); **C07C 2529/40** (2013.01 - EP KR); **C07C 2529/70** (2013.01 - EP US); **C07C 2529/80** (2013.01 - EP KR); **Y02P 20/52** (2015.11 - EP)

C-Set (source: EP)

C07C 5/2708 + C07C 15/08

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

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US 2020024643 W 20200325; CN 202080025466 A 20200325; EP 20716683 A 20200325; JP 2021557908 A 20200325; KR 20217029432 A 20200325; TW 109110023 A 20200325; US 202017434237 A 20200325